



# Product Evaluation

DR738 | 1115

Engineering Services Program

*The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).*

*This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.*

*This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.*

*For more information, contact TDI Engineering Services Program at (800) 248-6032.*

**Evaluation ID:** DR-738

**Effective Date:** November 1, 2015

**Re-evaluation Date:** May 2017

**Product Name:** Series FD5455 Glazed Vinyl Outswing Side Hinged French Doors with Sidelites and Transoms, Non-Impact Resistant

**Manufacturer:** PGT  
1070 Technology Drive  
North Venice, FL 34275  
(941) 480-1600

## General Description:

System	Description	Label Rating	Design Pressure
1	Glazed Outswing French Doors	R-PG70 76 x 96 - Type SHD	+70 / -70 psf
2	Sidelite	R-PG70 40 x 111 - Type SLT	+70 / -70 psf
3	Transom	R-PG70 111 x 40 – Type TR	+70 / -70 psf

## Component Dimensions:

System	Overall Size	Panel Size	Maximum Daylight Opening Size
1	76" x 96"	Active: 37-1/2" x 93-3/4" Inactive: 38" x 93-3/4"	26-9/16" x 84"
2	40" x 111"	N/A	Wide Stile & Wide Rail: 28" x 98-7/8" Narrow Stile & Rail: 35-3/16" x 106-1/4"
3	111" x 40"	N/A	Wide Stile & Wide Rail: 28" x 98-7/8" Narrow Stile & Rail: 35-3/16" x 106-1/4"

**Acceptable Configurations:** Doors, sidelites, and transoms may be combined to form larger assemblies. Acceptable configurations are listed in the design drawing referenced in this product evaluation report. Acceptable configurations include the following:

Doors: X, XX  
 Sidelites: O, OO  
 Transoms: O  
 Doors and Sidelites: XO, OXO, XO, OXXO  
 Doors and Transoms: O/X  
 Sidelites and Transoms: O/O

**Note:** Door, sidelites, and transoms are labelled independently.

**Components & Hardware:**

System	Component	Quantity	Attachment Method
1	4" Butt Hinges-panel hinge stiles	4 per door panel	Install the hardware in accordance with PGT drawing "Series 5455, Non-Impact-Resistant, Vinyl, Reinforced, Outswing French Door & Sidelite/Transom (SLT/TR)," drawing no. TDI-455.1, dated May 29, 2014, signed and sealed by Anthony Lynn Miller, P.E., on September 18, 2015.
	Surface mount 4-point lock system-active panel lock stile	1	
	Concealed manually operated flush bolts-inactive panel lock stile	1	
	Surface mounted metallic keepers-inactive panel lock stile	2	
	Surface mount metallic strike plate-inactive panel lock stile	1	
	Surface mounted metallic keeper-frame head	1	

**Product Identification (Certification Agency Label on Door, Sidelite, or Transom):**

System		
1	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR# 190-1008
	Product Name	FD455 OS French Door XX
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
2	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR# 190-1005
	Product Name	FD455 Sidelite
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
3	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR# 190-1004
	Product Name	FD455 Transom
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

**Product Labeling:** Doors, sidelites, and transoms may be combined to form larger assemblies. Acceptable configurations are listed in the design drawing referenced in this product evaluation report. Door, sidelites, and transoms are labelled independently.

**Impact Resistance:**

System	Impact Resistant	Requirement
1-3	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

**Installation:**

System		
1-3	Type of Installation	Install the assembly in accordance with PGT drawing "Series 5455, Non-Impact-Resistant, Vinyl, Reinforced, Outswing French Door & Sidelite/Transom (SLT/TR)," drawing no. TDI-455.1, dated May 29, 2014, signed and sealed by Anthony Lynn Miller, P.E., on September 18, 2015.
	Wall Framing	
	Fasteners	
	Fastener Embedment	
	Fastener Location/Spacing	

**Note:** Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.